

7/7/1 (Item 1 from file: 351)
DIALOG(R)File 351:Derwent WPI
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WPI Acc No: 1990-328024/**199044**

Test kit for immune-enzymatic assay of human interferon alpha-1 -
includes two monoclonal antibodies, specific for different epitope(s) one
immobilised, the other labelled

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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DD 279317	A	19900530	DD 324769	A	19890102	199044 B
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Priority Applications (No Type Date): DD 324769 A 19890102

Abstract (Basic): DD 279317 A

Test kit for immunoenzymometric determination of human interferon
alpha-1 (IFN) comprises (1) a first monoclonal antibody (MAb1) or its
Fab fragments, immobilised on a solid phase; (2) a second,
enzyme-labelled monoclonal antibody (MAb2) or its Fab fragments; (3) a
buffer for solubilising MAb 2; (4) IFN standard; (5) substrate buffer;
(b) enzyme substrate; and (7) chromogen, luminescent substance with an
amplification reagent or a fluorochrome.

MAb1 is Z1M-VD11 (ZIM-0397) or ZIM-IVH2 (ZIM-0396) and MAb2 is
ZIM-IIG11 (ZIM-0087). An alternative formulation includes a microtitre
test plate; MAb1 in non-fixed form and a coating buffer for coating the
plate with MAb1.

MAb are used as Fab fragments or derivs. MAb2 is labelled with
horseradish peroxidase (HPO).

USE/ADVANTAGE - For medical diagnosis in biomedical research and in
process control (of biotechnological IFN prodn.). provides precise,
quantitative results over the IFN concn. range 4-500 IU/ml; the total
test takes 2.5-4 hr; no radioactive reagents are used and all washing
steps can be done we)with tap water. MAb1 are specific for the alpha-1
subtype and the two MAb recognise different epitopes. (7pp Dwg.No.0/0)

Derwent Class: B04; D16; S03

International Patent Class (Additional): G01N-033/57